

## **OCULAR THERAPY WITH REDUCED OCULAR NEOVASCULARIZATION**

### **ABSTRACT**

A composition and method to reduce ocular neovascularization in patients. The composition may be used separately or in conjunction with ocular steroid therapy for treatment of pathologies such as diabetic retinopathy, uveitis, and age related macular degeneration. In one embodiment, the composition contains doxycycline and/or a steroid. In another embodiment, the composition contains heparin and/or a steroid. In another embodiment, the composition contains doxycycline and/or heparin in the absence of a steroid, and may further contain an anti-prostaglandin; this embodiment is useful for patients with or predisposed to glaucoma because increases in intraocular pressure may be exacerbated by a steroid. The patient may receive topical, injected, or implanted formulations. The composition is non-toxic and may inhibit vessel growth as well as effect regression of vessels for the duration of treatment.